

**Assurity**

Version 1.0

Revision Date 11/02/2010

Print Date 01/12/2011

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Assurity  
**Substance Number** : 000000005104  
Common Name : Assurity

**Company** : Elanco Animal Health  
Division of Eli Lilly and Company  
Lilly Corporate Center  
Indianapolis, IN 46285

**Telephone** : 1-888-767-5023  
**Emergency telephone number** : CHEMTREC: 1-800-424-9300 (Outside U.S. 1-703-527-3887)

Item Code : CA4345

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview****Lilly Lab Labeling Code****Health:** 2**Fire:** 1**Reactivity:** 0**Primary Hazards:** Irritant, Skin Permeable, Suspect Allergen, Nervous System, Liver, Kidney, Bone Marrow**Hazard Summary (Caution):** May cause eye, skin, and respiratory tract irritation. The product may be absorbed through the skin. May produce an allergic reaction. May cause nervous system effects. May cause liver effects. May cause kidney effects. May cause bone marrow effects.**Emergency Overview**

Form : liquid  
Colour : amber  
Odour : musty

**Potential Health Effects**

Eyes : May irritate eyes.

Skin : May irritate skin. May cause allergic skin reaction. Information given is based on data

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on the components and the toxicology of similar products.

- Ingestion : May be harmful if swallowed.
- Inhalation : May be harmful if inhaled. May cause irritation of respiratory tract. Effects of breathing high concentrations of vapour may include: Central nervous system effects. Headache. Dizziness. Nausea. Information given is based on data on the components and the toxicology of similar products.
- Aggravated Medical Condition : None known.
- Primary Routes of Entry : Inhalation Skin Absorption
- Additional Information : Animal studies have reported the following effects: Liver effects. Kidney effects. Bone marrow changes. Information given is based on data on the components and the toxicology of similar products.

### Carcinogenicity

- NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
Spinetoram	935545-74-7	>= 39.6
Trade Secret Aromatic Alcohol	NA	<= 60.2

NA = Not applicable, Not assigned, or Not available.

## SECTION 4. FIRST AID MEASURES

- Inhalation : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. Get medical attention if irritation develops and persists.
- Eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
- Ingestion : If conscious, give the victim plenty of water to drink. Never give anything by mouth

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to an unconscious person. Call a physician immediately.

**SECTION 5. FIRE-FIGHTING MEASURES**

Flash point : not applicable Upper explosion limit : no data available  
Lower explosion limit : no data available

Suitable extinguishing media : Water Carbon dioxide (CO<sub>2</sub>) Dry chemical

Unusual Fire and Explosion Hazard. : Hazardous decomposition products formed under fire conditions.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Methods for cleaning up : Prevent further migration into the environment. Use absorbent/adsorbent material to solidify liquids. Solidification may not suppress vapors. Vacuuming liquids or solidified material may disperse vapors. Wear protective equipment, including eye protection, to avoid exposure (see Section 8 for specific handling precautions).

**SECTION 7. HANDLING AND STORAGE****Handling**

Advice on safe handling : Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Avoid inhalation of vapour or mist. For personal protection see section 8.

**Storage**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store in original container.



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- Thermal decomposition : Stable under normal conditions.
- Hazardous reactions : Hazardous polymerisation does not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- Acute oral toxicity:** LD50 (female rat) 5,000 mg/kg
- Acute inhalation toxicity:** LC50 (rat) > 2.01 mg/l (4 h)
- Acute dermal toxicity:** LD50 (rabbit) > 5,000 mg/kg
- Skin irritation:** rabbit, Irritant
- Eye irritation:** rabbit, Irritant
- Sensitisation:** Did not cause sensitization on laboratory animals.
- Carcinogenicity**
- Spinetoram: Did not show carcinogenic effects in animal experiments.
- Reproductive toxicity**
- Spinetoram: In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.
- Mutagenicity**
- Spinetoram: Result in genetic toxicity assays (in vitro and in vivo): Negative.

**SECTION 12. ECOLOGICAL INFORMATION**

- Additional ecological information :** Material is highly toxic to aquatic organisms on an acute basis (LC50 or EC50 is between 0.1 and 1 mg/L in the most sensitive species). (Spinetoram)

**SECTION 13. DISPOSAL CONSIDERATIONS**

- Waste disposal methods : Call your local solid waste agency or 1-800-CLEANUP or equivalent organization for disposal instructions. Unless otherwise instructed place in trash. Never place unused product down any indoor or outdoor drain or on the ground. Non-refillable container. Do not reuse this container. Place in the trash, or offer for recycling if available. If partly filled, call your local solid waste agency for disposal instructions.





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personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact:

Eli Lilly and Company

Hazard Communication

317-651-9533